

ABSTRACT

The present invention provides a discharge lamp capable of effectively radiating a light suitable for a photosensitizer used in PDT and PDD, and relates to a discharge lamp which radiates a light suitable for the wavelength region of absorption of a photosensitizer having a relatively large absorption coefficient in the range of wavelength of 600nm-800nm, and more specifically, the discharge lamp is filled with $0.1 \mu \text{mol/cm}^3$ or more of any of the elements selected from the group of lithium (Li), sodium (Na), rubidium (Rb) and potassium (K) as an emitting element, and in addition, at least one or more rare gases selected from the group of neon (Ne), argon (Ar), krypton (Kr) and xenon (Xe) is also filled, and by filling such an emitting element, a light having the wavelength region of the main absorption within the range of the wavelength of 600nm-800nm can be radiated.